# SMART GREEN CORRIDOR

PEOPLE • PLANET • PROFIT

Innovative and efficient technologies, practices, designs, and development come together in a smart, green corridor to drive job creation, improve water and soil resources, and enhance community and economic value. These complimentary approaches amplify social and environmental benefits while lowering overall costs.



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#### **Wildlife Corridor**

Wildlife corridors facilitate wildlife movement by connecting fragmented habitat, which supports stable populations and enhances biodiversity.

#### **Source Water Protection**

Protecting drinking water from contamination, with forest cover for example. reduces treatment costs and public health risks.

## **Drinking Water Treatment**

Innovative drinking water utilities are using the latest technology to protect source water, reduce water losses, and save energy.

## **Green Space**

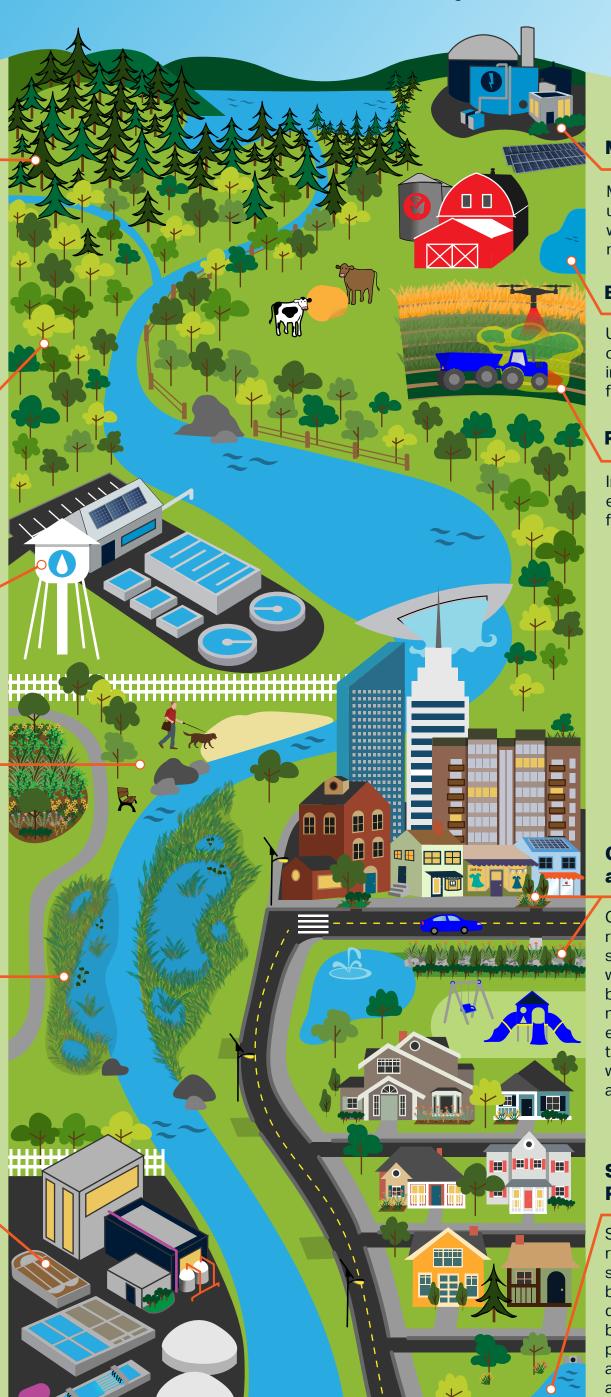
Green space provides recreation opportunities and enhances the beauty and environmental quality of neighborhoods.

#### Wetland Restoration

Removing sediments contaminated with legacy pollutants and restoring wetlands can dramatically improve water quality.

### Wastewater **Treatment**

Innovative wastewater utilities are recovering nutrients and energy while producing reclaimed water.



## Manure-to-Energy

Manure from farms can be used to produce energy while reducing waste to be managed.

#### **Biochar**

Used in ponds, biochar can adsorb pollutants, including pesticides and fertilizers.

### **Precision Agriculture**

Information technology is enabling more controlled farming practices.

# **GI - Bioretention** and Green Streets

Green infrastructure reduces and treats stormwater at its source while providing community benefits. High-flow filter media and biocharenhanced applications in transportation right-ofways increase infiltration and pollutant removal.

## **Smart Stormwater Ponds**

Smart ponds are weatherresponsive, have increased storage capacity, and better protect water quality. Iron filings and biochar are innovative pond treatments that address excess bacteria and nutrient loadings.